MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Please indicate soon any additional notes
wanted. I am waiting for a good chance
of private hand to send you a parcel includ-
ing yours &c &c to you has disposed of all
my plants making 8 sets varying from 350
to 137. including yours Sheets & mine 11. sets.
Now is the time to instruct me in regard
to desiderata for next season. I want to
get 20 sets. average 200 for next season

Rec'd Dec 31
Ans Jan 10

Yours truly

Newport Dec 28

C. C. Parry

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GEORGE ENGELMANN PAPERS

Rec Jan 5
Ans Jan 10

Davenport Jan 3d 1862

My Dear Dr

Gray writes. "Tele Engelmann to send on his notes as soon as he can". I have just forwarded my preliminary sketch. Should like to have had your criticisms. Dr Gray seems pleased with it. writes "I quite like your sketch. It is graphic and well written" With this commendation I am satisfied to let it go. though it does not come up to my wishes. I have condensed it to 15 pages letter paper. comprising General views distribution scenery &c. studiously avoiding. the ground that will be taken by Jones.

and Dr Gray's notes & determinations
I suppose you will hardly be
able to include your monograph
of Western Pines, but you
will at least indicate some
of your views and can introduce
a synopsis, leaving full
details for a separate paper
I do not think of any
additional notes to send you
if there are any points omitted
please indicate them soon.
by ?!? Also try & push
me up as well as you can
what to look for & collect
on my next trip. I intend
to pay particular attention to
trees. will collect specimens
of wood bark &c. and exact
measurements of size & height
&c &c

Solomon's seal flowers

I have a few seeds not yet
distributed among them.
Aquilegia caerulea. A. brevistyla.
Aconitum nasutum.
Delphinium exaltatum.
Claytonia arctica. Arnica
cordifolia, and some others.
Could you make any use of
some or all of them for
cultivation. I suppose it
would be difficult or impossible
to raise the very alpine ones
but they may be useful for
study. I would like next year
to make more of a business
of collecting seeds. and try
and dispose of them; please
give me your views,
on this subject. and any
directions you may have
about collecting & preserving
fruits & seeds

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I do not think I need
to write at present and
will wait till I hear
from You again

Yours truly

C. C. Parry

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Rec'd Jan 19th
Ans Jan 29

Davenport Jan 15th 1862

My Dear Dr

Yours of 10th inst rec'd. I like your Dutch way of doing business, clear up as you go. So you have found a resting place for 135. G. humilis. I send herewith a set of seeds. too few & meagre but the best I can do. I think you will find what there is, well matured. I do not know how it is about cultivating alpine plants at lower elevations so different from their natural habitat. How is this? At least you can perhaps supply some of your European correspondents. living in situations more nearly approximating.

I received a very kind & considerate letter from Prof Short some days ago in answer to mine. Nothing lately from Dr Gray. — I did not see an oak or hickory after leaving the fountain in the Missouri So you are going to try & fix me out with a barometer next time. Good!!

Aug. G. debilis. grows scattering, associated with G. prostrata color of fl. light blue. inconspicuous, only to be detected & getting on your knees and crawling over the matted sod in which it grows often bedded in masses of Silene acaulis — I think you got but a single specimen, Gray had more. I kept none I did not know that you were particularly interested in Gentianaceæ or I would have sent you more

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and better specimens. I have rd to span
specimens of S. subfrigida. (perhaps S. humilis)
I hardly know how to describe the position of
cones of P. flexilis I suppose in dr times, botanists
would call it sub-pendulous, the cones are
loosely attached (not at) but near the extremity
of the horizontal branches and I think quite
constantly with points downwards. Though sometimes
disposed in whorls of 2 or 3. The side ones are
inclined outwards & downwards. This is my
recollection. I am obliged for all suggestions
about improving the character of my collections
shall bear them in mind. — I shall be delighted
to see your details and analyses with plates in
Procedings St Louis Academy. Do you get
Proceedings San Francisco Acad. Nat Sci. I have
lately received numbers including years 1860-61.
many entirely taken up with descriptions &
figures of plants by Kellogg. I fear he is a
little fast in his determinations, and too fond
of making species. I recognize several old
acquaintances in his Nov Sp — I also infer
that Dr Andrews is out West. I have written
to Kellogg. inquiring him to send specimens to
Dr Gray for verification. & suggesting that
you should be supplied with copy of Proceedings
also your interest in Californian Pines &c

I must close

Sincerely Yours

C. C. Parry.

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Rec'd Jan 22nd
Ans Jan 29

Davenport. Jan 21st 1862

Dr Engelmann

Dear Sir

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GEORGE ENGELMANN PAPERS

The enclosed scraps of ferns sent to me by Schott. to be named. I enclose to you. will you please look them over. and if you can furnish the correct names. (i e if they deserve a name) give me Friend Schott the benefit of it. and forward to him

Yours &c

C. C. Parry

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GEORGE ENGELMANN HERBARIUM
MISSOURI BOTANICAL GARDEN
SHRUB PAPERS

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Rec'd Febr 11th
Ans March 3d

Davenport Feb 8th 1862

My Dear Dr

Your two notes of late date rec'd I enclose as requested scrap of my Calif^a Juncus. also seeds of the same procured from the Indians. consequently roasted — You will notice a close resemblance between them and P. edulis. but the Pcl^a seeds are much more oily and of a more waxy texture. In the figure in Mex Bdy Rep. I notice the leaves represented as mostly in 5^s This is a mistake I have found them quite constantly in 4^s rarely 5-3 v. 2. So that in my notes I distinguish it as P. quadrifolia. You must persevere till you get something out of Torrey or Newberry. to settle about that P. cembroides?

So you decide the Rocky Mt Spruce to be a Canadensis. I am well acquainted with the general appearance of Abba in the East & N W. The Rocky Mt species struck me as being of a more erect habit

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with stiffer more tapering trunk. branches
forming an acute angle upwards with the
main axis In some places. it presents
a regular staple top. more conical than
A balsamea! the foliage is decidedly dark
though not strikingly so. the peculiarities
of the bark peeling off in irregular shaped
shreds. of a purplish brown color is quite
different from the rough brown bark
of A alba.

I will very cheerfully send you all
my pines as soon as the River opens
and I get a good chance of a private
hand to deliver to you without charge

So the Rocky Mt Primula, is a Siberian
Emigrant — Good! I have thought
all the time that it would turn out a
described plant, as it grew. not like a
Rocky Mt plant. found quite constantly in the
peculiar habitat. rotting in the upper
portions of alpine brooks. the matted knotted
roots. bathing in snow water. the flowers are
a bright Carmine red. not purple as
described in D C. Prod.

I have not looked lately at specimens of Jent. humilis. to make up my mind about its color. I may have viewed (or rather studied) it. so I make enclose (if I have it) an additional specimen or two. then I can [illegible] it—

Do you know what you have decided in regard to the alpine Synthris? I suppose Barth will have to get his eye on it first—

I am not personally acquainted with Dr Kellog of San Francisco. You need not hesitate to write to him direct. no doubt he will furnish you with copy of Transactions. and probably be glad to make exchanges. If I hear from him soon I shall urge the matter upon him and state your intention of writing to him. I am glad the Potatoes turned to original. as I have since found that the forms were disposed to rot. which they have never done before. I believe the Yellow-land is quite allied to ours & indeed

Yours truly

C C Parry.

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Rec'd Febr 19th

Am Mank 3d Davenport. Feb 13th 1862

My Dear Dr

I have just come across a scrap of Arceuthobium the only one I brought from the West parasitic on Pinus ponderosa I also send with this a scrap from my Calfornia Coll. parasitic on Pinus Muricata The former Male. the latter female as they the same s/s I have also picked out from you an additional s/s of Gent. Sanicula showing fl & fr as it is so tender I do not enclose it but will step it into pencil & press when ready

I do not see that I can enlighten you on the color of the flowers. I think however there is little difference between the dried & fresh specimens both having a bleached sickly look. possibly there is a slight tinge of blue to the summit of the flowers. but quite faint if any.

I have been somewhat ailing for several days so will not prolong this letter.

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Yours truly

E. E. Poor

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Rec'd March 9th
Ans ——— 14

Davenport March 6th 1862

My Dear Dr

Some time since I heard from you. I believe I manage to keep you in my debt. For a few weeks past I have been affected with a severe cold unfitting me for any unnecessary exertion of mind or body. I am now well again. Perhaps you have heard, though Gray & another botanist in the field, who had written to Gray about collecting plants from the Rocky Mts this season. His name is Elihu Hall from Athens Menard Co Ill. (near Spring field.) Dr Gray referred him to me, and he has written making a proposition to work together, and making me a fair offer which I think I shall accept. I have written him saying that I would make arrangements with him on his proposal, and suggesting to him to come this way.

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From all I can learn I think he will be a profitable companion. Gen proposes that we collect 20 to 30 sets at $8.00 also he collect seeds for sale. Hall proposes to furnish transportation, & to effect my insurance. knowledge of the country, and the plants desirable for collection, in other respects, divide the expense Equally, & share the proceeds. He takes an assistant, — so you see we (including the mules) will make a 5 man Botanical team. the latter being specially devoted to Graminea.

Now about that barometer. I can't get along without it. for it will be an additional inducement to climb, to be able to know how high I am. I have written to Hall about paper. & Shaw sent me an ingenious portable press. which I hope to put to some use

You have got the steps from Silliman's Journal containing my sketch & list of plants to 105. It is almost impossible to step right there and wait 2 months for the balloon. but it will be pic

you turn to study up, and get in some notes of other plants. I am sorry I did not make the connection of Abies alba referred to in my sketch to A. nigra but you can refer to it in your notice. You got the slips I sent you in my last letter pine cones & seeds. I will send you my prices before I leave. Would it be worth while for you to call again and see about correspondence for the Republican. I hope you will not regard it as a fools errand. but I was deceived in some arrangements I expected to make last season and forwarded some specimen communications which never reached their destination. Will they want their specimens at $3; per letter for monthly or semi monthly letters? If so you can inform them that they may expect to hear from me.

Please write soon

Yours truly

C. C. Parry

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Rec'd March 29
Ans April 1

Davenport March 28th 1862

My Dear Dr

Your 24th received. I send inclosed fragment of Eranthera No 117. also late flowering specimen also an Early gathered specimen No 116. pinnatifida Will look out for the 2 Sp next Time. Ice is just breaking up in the river here. I hope you will get some good paper. I am not able to say about getting in a new tube barometer. When send full instructions I will send down the press first good chance I am in hopes to get some trusty hand to deliver to you who would also take charge of the barometer. I shall see Dr Olshausen Had I known he was a friend of yours should have made his acquaintance before. Questions about press must be answered from the field. I shall know better what to look at now

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kept under directions, they will be
all right.

I must close in haste to
reach Hannibal

Yours truly

L. G. Pairy

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Rec'd April 6th

Davenport April 4th 1862

My Dear Dr-

Owing to some different arrangement of the Company with which I expect to go out. viz. outfitting on the Missouri River. it will be necessary to send on the Paper to Omaha. Nebraska Ter- and I would therefore request you to buy and ship 10 Reams Drying Paper. and consigned to care of John R Porter- Forwarding Merchant Omaha N. T. I suppose it will assume to go as fast freight; unless there is a fair certainty of its getting through by 1st May. by boat.

Under this new arrangement I think it will be advisable for me to go to St Louis. thus securing the safe transmission of the barometer. and getting what information I can- I will bring down the parcel of Ferns &c and hope you will get your patients all well- so that

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I can absorb your time to good advantage
My calculation now would be to come
down about 24th inst and stay with
you to the last of the week following
Will write again more definitely
when plans are all settled upon.

In haste

Yours truly

C. C. Parry

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Rec'd April 5th
Ans

Davenport April 5th 1862

My Dear Dr

Rec'd yours of 1st inst
note you yesterday announcing the change
of route. Probability of my going to St. Louis
and requesting me to ship to Omaha
10 Reams printing paper

Would say now in answer to yours
advising to get 3 bundles brown "Jap"
paper largest size 12 x 18. (3 Reams.)
and one bundle 3 Reams smaller size
11 x 16 blue making four bundles in
all 12 Reams

Will talk about botany when we
meet. I have a small branch P. laciata
which may help out your figure
Write & say what you have done about
paper and any thing you want me to
bring. I think I shall bring down all
my Lichens for vegetation. I have one
undetailed Mex Bot. letter from Dr Hayden
stationed at Detroit Mich. is in ~~Coast~~ Survey
Lake Office wished to be remembered
in good kind from

C Stacy

On looking over your note
find there is no small or big
of the blue. so take one bundle
of the small gray — and perhaps
one bundle of the large blue
for a change, but not much
consequence viz

6 Reams large gray
3 " " blue
3 " small gray

To be shipped to Omaha. N T
Care of John R Porter — directed
to me

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Rec'd May 22d

May 14th 1862

My Dear Dr

Being near a P.O. and about 1/2 way on the road from Omaha to Denver I conclude to improve the opportunity & drop you a line. The opportunity is a shady seat under the wagon bed, and nothing to disturb or attract outside, except a strong south wind.

I made the connexions all duly from St Louis to Omaha and reached the latter place on Tuesday morning 2 days ahead of my Company We left Omaha Friday May 2d and have progressed so far quite comfortably (poor roads, poor fare & little to see. My baby (barometer) is still safe notwithstanding the vicissitudes of fording the Platte at Ft Kearney and other dangers — but one of my nice little thermometers — Coche I kept in my pocket for safe keeping which unfortunately proved its ruin. I must take good care of the other. I made a set of observations at Omaha — in the State House 3 days with good results. I have not yet

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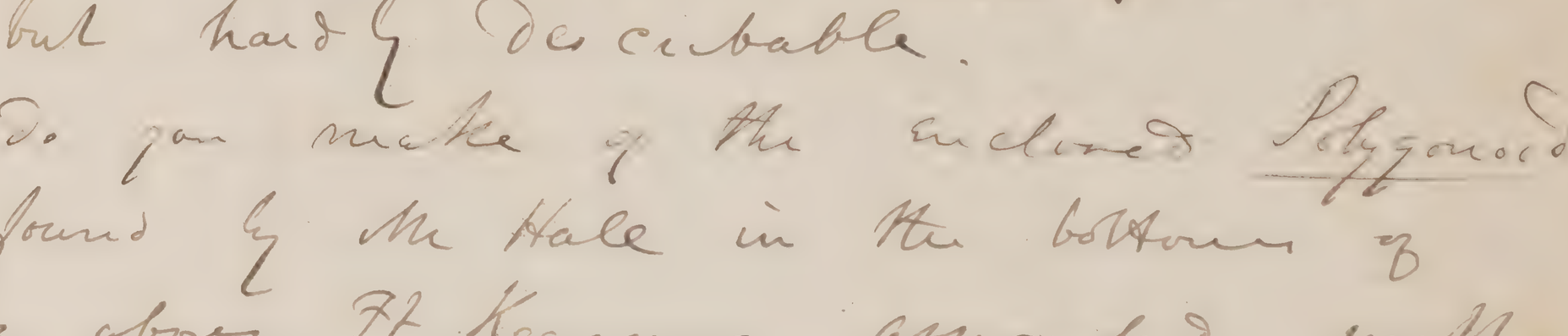
make any observations on the road. mainly from want of conveniences. I dont know that it is of much consequence if I get a few stations well fixed. I meant to observe on Ft Kearney but we did not stop there passing directly on. when I get a full day I will take some observations. midway on the route The season is backward on the plains, grass quite short and being a week earlier than last year on the route there is little to look after My associate E Hall is very zealous. & having not been quite locally ill he keeps a good look out for all that comes to him. He is an excellent collector and very keen sighted but not tough. and thinks campaigning a rather hard life We shall make a great mass of collections. The paper came to hand in time & in good order.

Our plan is to collect as fully as we can near the foot of the Mts till the alpine season advances. and then just for the high Mts. Our Mountain head quarters will be Tarryall, Colorado Ter-y. to which point please direct your letters till otherwise advised

The location is within 5 miles of the Divide
leading to the head of Blue River. also on
the route to head of Arkansas & Rio Grande
all of which places we shall try & visit
and as the season advances. successively
visit Pikes Peak & Longs Peak to the
north I shall then be able to trace the
distribution of plants & trees. also see
whether the Pinus flexilis has an extension or
limited range. The first sight I can get
of P. flexilis I shall look out for the
cones indicated & you and forward at
once. also rough sketches of the general
diff of the tree habit &c

I was quite fortunate the other night
while in your company to discover two
new pines. Pinus Sonnifferum !!! The
were quite distinct from anything before
known but hard & Describable.

What do you make of the enclosed Polygonum?
Plant, found by Mr Hall in the bottoms of
the Platte above Ft Kearney associated with
Typha latifolia & Ranunculus Cymbalaria.
It is not well developed yet. but the flowers
seem perfect. What is it?



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I shall try & write often if it is only in scraps & send you bits of everything that strikes me as specially interesting. How would it do to put up a box of pine specimens large with cones attached & specimens of wood & bark? I must try & clear up all those doubtful points this time. When you write give me all the botanical news. don't care about your items as I hope to be out of reach & sound of Canada ——

Kind regards to Mrs E.

Yours truly

C. C. Parry

Wood & properties of Jamaica. not mind details

Pine ripens 2nd year?

Wood diff'g drawn on alpine hgts — & valley?

... of D. contorta (close)

Age — wood — bark of Magnolia

popular name,

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Rec'd June 9th
Ans June 9th

Denver City—Col. Terr
May 29th 1862

My Dear Dr

Arrived here this morning. Thus concluding our tedious trip over the plains. We have collected pretty carefully along the route: Astragalus being the main feature of botany.

I have your letter of May 12th with enclosures. Your Fl Kearney letter missed me. We will keep an eye for Oenotheras. I am not surprized that your G. ochrolis turns out a form of G. acuta I did not get from you a copies of list of plants we sent. I hope it will come along in time to use

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GEORGE ENGELMANN PAPERS

Gray's letter is very plain & explicit. but I still hope I shall not need it. The baby is alive safe & good condition, 2 obs T Day. June May 29th 2 P.M. Bar. 24,664. Att Th 75° Del 73° (Clear gusty " " 7 " " 24,740 " " 69° " 67° + (Clear breezy)

I will copy just before my record. So as to secure from loss or accident. The expect to leave for the base of the Rocks tomorrow but I shall not probably reach the alpine pines for 2 weeks or more. The snow is still deep on the high ridges & the season more backward than last year

I shall keep specimens of you favorite & convenient
points + shall scrape of plants at
That will be a very interesting list of species
to be figured. I shall want quite a no of copies
I suppose they can be bought—
Our plan is to work along botanizing as we
route to Tarryall in South Park. Thence explore
the divide & the valley of Blue River in Middle Park
+ return to Denver via Pikes Peak— Thence to
the alpine region of Clear Cr + over to Middle Park
then the county of Longs Peak in what is
called the Boulder District This I calculate
will pretty well use up the season
Enclosed two scraps. probably you know some
but not. checked by me last year please give
us the names

Yours Truly C. C. Parry

Please answer this to Tarryall. afterwards to
Denver —

(Please collect Specific Gravity + send me result from the sale and send it [illegible] of water & animal matter in fruit)

Mt Vernon Base Rocky Mts

June 15th
Mon June 16

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GEORGE ENGELMANN PAPERS

My Dear Dr — June 1st 1862

I send enclosed Copy of my barometric record to date (not including observations here to be sent after. This is a good station. and I shall make as many observations as I can before leaving. It is also favorable for my plants being intermediate between the Pottsdam Sand Stone, and the granite rocks I find many plants not on my list of last year as I passed over the place quite hurriedly. I shall make an effort shortly into the Land of the Ute & reach the Uppers upon about 14th June (Early Spring). & after that

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Explain some of the high peaks I think we
shall go as far as the Arkansas before returning
to Denver about July 4th at this date there is
an excursion planned for the ascent of Long's peak
and I am one of the No of course I have heard of
a "milk white" barked pine in Southern mines. Newberry's?
and doubtless P. flexilis. I shall be on its track sure
Please write me hereafter to Denver Care of
Dr J. J. Saville I find that letter for the Hills are
very uncertain. I did not get copy of 2d part of my
plants doubtless. Last I wish you could send me at
least one in letter envelope I want it for reference
I shall write often + endeavor to send you more

C C Parry

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Rec'd Jan 21 '11
ans'd " 24 "

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Bradford Junction Rock Wis
(June 15 1862)

My Dear Dr

I inclose another sheet of barometric observations getting quite interesting. as you perceive. My reading at this place the highest point on our route is 22,565:

I am somewhat at a loss about the best time for taking observations. when I can select. In the pamphlet you gave me the time set down is 7 AM 2 PM 9 PM. but I think your observations are at 7. 9 AM 3 PM 9 PM. Now is it which should I adopt. I suppose however, in travelling, the exact accuracy is not attainable. so many observations as can conveniently be made should be. This is the course I adopt. I have not yet got into the region of our P. flexilis but I expect every Day to get my Eye on it. I have collected P. Contorta Early leaves male flowers &c. - Must say something now about Gentiana Romanzoffii. I found it quite unexpectedly at our last Camp. and as it seems in a better state than any specimens last year I hope you Engraving is not so far advanced but what you can modify it to do more justice to this fine species & specimens indeed you will see that the flowers are by no means inconspicuous, though shy about opening. when expanded it is fully the size of the smallest sized Stellarias, its white petals are folded over almost flat showing its sharp points V and intermediate lobes. It has two purplish spots, near the summit of the base of each petal. and a green or sometimes brownish line on the outside

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The radical leaves are also larger, and look more cartilaginous probably more nearly resembling your Asiatic specimens
The enclose specimen of pressed flowers, and large leaves will enable you to appreciate these characters — I also send enclosed a singular linear leaved Pteris? rather early but the last years fronds accompanying will enable you to make it out. The season is much more backward than last year the Snowy range still deeply drabed with its wintry covering, and no show for plants yet
We calculate to make slow progress towards Taos, a place which is within 5 miles of the Divide; and then perhaps cross over to the Arkansas, and round the base of Pikes Peak to Denver, and then take a fresh start somewhere else. I fear my companion E Hale will not be able to do much in the way of climbing, as the rarefied air has brought on an attack of bleeding at the lungs which has reduced his strength very much he is a thorough collector, but too anxious to make money. collects too largely. I common species, and more intent upon getting a mass of specimens for sale than pushing for new discoveries. I shall write again perhaps to go by same mail, must conclude now having [illegible] a

C C Parry

(Write me to Denver Care of Dr J J Saville)

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Tarryall South Park Rocky Mts
June 18th 1862
Rec'd June 29th
Ans July 8th

Also Missouri Botanical Garden ??!!
Rev Asbel Green
Rev Mr Kellogg
Rev Mr Hall
Rev Mr Hall
Rev Dr Beaumont
Ft Kearney
in a mine
Quicksilver Hall
with adder on
of Green Co Ky
in N. Mexico
gone to Ore & NZ

My Dear Dr

We have just reached this point on our route, and find ourselves ahead of the season. Deep snows and few plants. We shall now shape our course for foot of Pikes Peak and then to Denver. I received here the slips from Silliman & Coy of Prince St Louis Acad for which I am much obliged As the mail closes this evening I shall have to finish in a hurry. Why no letter here? We shall probably be in Denver in about 2 to 3 weeks — then up Clear Cr in vicinity of Longs Peak. I enclose Parry's obs. also notes mislaid of Echinocactus Simpsonii. I may leave another letter here for you before leaving

Yours truly
C C Parry

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GEORGE ENGELMANN PAPERS

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Rec'd July 11th/14
Ans July 15th

Camp Soda Springs, near Clear Creek Co
June 28th 1862

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

My Dear Dr

Again within reach of a P.O. I send you my report to date. This is a delightful locality full of interest. Just at the foot of Pikes Peak with the transparent waters of the "boiling fountain" and the magnificent Springs bubbling up all the while I wish you were here to enjoy it with us

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11 inches 232 rings

average width of each ring $\frac{11 \times 12}{232 \times 2}$ lines $= 0.28$ lines

$= \frac{11 \times 3}{116} = \frac{33}{116}$ $= 116 \overline{)330} \overline{)0,28}$ (232, 980, 928)

0,28 ..

11 / 232 / 21 (22, 12)

1 inch growing = 21 days

We had a very pleasant route from South Park & Mt Lincoln
point following down the Tarryall branch of the Platte
and thence across, over the Divide to the Arkansas
waters. Reaching at Pikes Peak. among the most plants
found was the enclosed Heuchera? of which I gave you
a full account. I have a section wood & bark of
Pinus flexilis. it as well as P. aristata is a slow
grower. The trunk I examined less than one foot in
diameter had 232 annual rings Here we have
the nut pine P. edulis growing in perfection all
round us I shall get nice flowering specimens
(male) and young cones; also wood &c.
Before leaving Tarryall I secured young specimens
male & female of Abies grandis. also. one
puzzling A. nigra. I am getting more of the
opinion that it will have to stand by itself. Its
whole habit & character is so distinct from
our Eastern sp. I shall try after collecting all
material to see if we can't make an Abies
Engelmanni out of it — its tapering even trunk,
scaley reddish bark. white wood &c as some of the
peculiar characters of this tree. We are now out
of the range Abies Douglasii & A. Menziesii. Here
reign monarchs of the forest

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We have made arrangements for the ascent of Pikes Peak day after tomorrow June 30th will make a two days visit of it. Shall have an experienced guide, who has conducted women up here would be another fine chance for Mrs Engelmann to study nature in its rough state. no danger as at Lake George & Falls, nor fashionable company. The water at these Springs is really delightful quite up to Saratoga. no doubt some time a place of resort for pleasure seekers.

In my next letter from this place or Denver I hope to furnish you the benefit of James Peak also. including some alpine discoveries — Bar mesa field of Bot. will probably be visited of Longs Peak I should like to push down further into N. Mexico & head of Arkansas. but it is only by dint of hard coaxing that I can induce my comrades to run any risks or get out of a beaten track. They stood guard all one night for Indians being alarmed at the singular noise made by beaver splashings on the creek. when I laughed at them in the morning they were quite indignant that I did not concede in their fears. and do not get considered a good joke

Yours &c

C C Parry

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Rec'd July 24th
Ans same day

Denver July 12th 1862

My Dear Dr

Just arrived at Denver and gave
five letters of June 14th — 24th contents noted — have no time
to write nothing new to send we leave for Clear Cr
this PM to reoccupy my old location I fear we
shall loose many nice plants by staying so long on
the lowlands. but we dispose a slow team. and a plant
that will count one in the set by the policy of
my companions is as good as a rare one I
am out of all patience. but must do the best I
can there is still a fine field for discovery to
the west & South of the Snowy range that will hardly
be touched by us this year — A letter from
Dr Gray in answer to mine — Strange that we should
have overlooked Flaveria marginata we have fine
specimens of Asclepias Speciosa. Torr I suppose it is
now quite common in collections
the mine at present

Yours truly

B B Fendler

Barometer shows considerable variation from old Bay
Last reading July 12 7 AM Baro 24.974 7h A 64 7h Del 63.
Continue to direct as before via St Louis

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Rec'd Aug 31st
Ans Aug 1st

Camp above Empire city
July 21st 1862

My Dear Dr

I write you once more from my old stamping ground every thing looks quite home like. My old Cabin deserted. still over looks the winding vistas of clear Ck & the distant Mts Asclepias Purpurea is in full bloom at my door way — But I must talk to you about Pines. P. flexilis comes up once more. only yesterday I managed to find old seeds and immature also female flowers. (all enclosed) If this appears that the seed is winglen or as you would say coherent, a part of the scales. The largest are full size. from large mature cones. I also send male flowers to complete the description. I have also a sketch of a tree showing its peculiar branching habit & that I think we now have full material to complete the description) —

I have taken one trip to the range while here and got a good observation of the Pass. also the limit of trees which you will find correspond closely with same observation on Pikes Peak. I shall take others at different exposures but I think the lines will not vary much. The alpine district being surrounded by lower Mts I think I have got hold of the true Abies alba. judging from the long cones and peculiar habit. I want more material for comparison before deciding — No new plants —

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The Difficulties between Hall & myself are about
culminating in a separation. he leaves me them to
follow his own tracks and I mine, a good arrangement
for both parties, we shall still agree to unite our
collections but will collect separately. he on the low lands
& high up — I hope to be able to make arrangements
to join some parties over in Middle Park which
will give me a new field to work. I am regretted
to find that the season is so backward that I
shall not have many alpine plants as I feared might
be the case and would have been had the season been
like last year. Please calculate all the principal
points of observation. particularly in this locality, as I
may want to use them — I shall have a chance
to compare my instrument with regular survey, as
I have got points in the line that has just been run
for location, a wagon road over Berthoud Pass. I shall
make this point a station to refer other observations
to, as I can get several weeks rest there —
you might venture to answer this letter. Direct to
Empire city Union District but after direct as before to
Denver. Please send copy of last part of Pl. Parry.
if published — I write see that you get full sets of
fruit of Ribes perhaps a can full — Ribes
aureum is now in full blast, and makes a
nice desert — I shall write again in a week or
2 do —

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Yours &c

C. C. Parry

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Rec'd Aug 17

Cabin above Empire City
July 25th 1862

My Dear Dr

You see I am indeed a brave person. So interested in my pets Hall & Team Coffee are pets now. much to my relief — for no connection at the last is to be insufferable — so that I was glad to effect a separation on any terms. — As it is I have agreed to take on my share of the profits only a part of my share of the collection up to the time of separation. and after that he is to have exclusive right to the sale of specimens. such — we both collect, and I have the privilege of putting in only such as he does not get — He is going again to the favorite localities. and then over our old route to South Park & across the range to head of the Blue. — In the mean time I shall be picking into the alpine flora now in full blast I make an excursion over to Mt Bethel Park. — Now I shall confine my attention to the more interesting forms. and collect largely. — Whether the alpine season is too backward that I shall have much suitable interesting — and by staying later secure later forms. To give you a specimen. of the extreme illiberality to which I have been subjected. (You will hardly believe it) one ground of objection was that I wasted too much time in making meteorological observations!!! — That would suit the sale of plants — !!! Our arrangement is as I may, was to meet again in Denver 1st Sept and return home. The plan. But on reflection I have pretty much concluded not to join them again to expose myself to additional anguish. My idea now is to stay out here long enough to make large collections of fine seeds. in hopes to realize something —

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Rec'd Aug 17 1862 2d Ans. Aug 27

Please inform me whether in your opinion, by collecting seeds — of 1. P. floridus — (detached seeds) & the amount of half a bushel — P. Benjamini. & P. Boykinii (with cones) to the amt of 2 bushels each. a number pounds of P. cristata. P. floridus & P. cristata) I could get for $200, or $300. — Also. whether the seeds will be matured enough to collect after the 1st hard frosts in Sept. so I can do this. I think I shall endeavor to stay as late as may be necessary with a view to get a fair crop rather than risking to collect largely & have seeds that may, when they would sell for in large quantities. It would therefore be considerable labor especially in collecting seeds of P. floridus & P. cristata which are the scarcest localities. Pines seem to be abundant this year. Sod between & P. Benjamini which I consider one of the most choice ornamental trees in its symmetrical shape. fine foliage. and rapid growth Please advise me on this subject. with special instructions in regard to collecting. & to insure good seed — If your course is favorable you may consider the matter decided. and can direct your letters hereafter direct to me at Ernfield Pt. Union District which will be my head quarters till Spring. forward — This change of plan would necessarily involve an expense which I have not calculated on, but I can probably meet it if necessary & I

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can obtain the amount by collecting. Please write me by return mail. Direct to Ernfield Pt. Union District

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make arrangements to draw on you at Denver to the
amt of $100.- to be accounted from the proceeds of my share
of plants in Wilkes collection. I should only calculate
to do it in case of necessity and for the smallest
amt necessary for transportation expenses, and probably
would not need to do it at all, certainly not till time for
starting back — I mention this to you to feel safe
in making my calculations, as I do not want to get
in an unpleasant predicament for want of necessary means
to accomplish it —

About plants again — on my excursion to the range
23rd inst I was surprised to meet with fine specimens of
in full bloom much more luxuriant than last years
Specimens in fact all plant then began an unusually
vigorous growth — I expect next week to meet both
of Sargi also the old fruiting Specimens of
Chamaebatia &c — One of my excursions will be
to measure Grays peak the most accessible of
the three. Torrey, Gray & Eng. this with measurements
of Middle Park — Denver &c will complete my
barometric work unless I shall be invited to the
Excursion in connexion with Surveys now in contemplation
By next year if anything is done in the matter of the
Pacific RR. I shall try & get some selection of those
I can extend my observations further west. Please
bear this in mind if you get an opportunity to put
in a word for —

Yours truly

C C Parry

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Rec^d Aug 24th
Ans Aug 27

Empire City Aug 14th 1862

My Dear Asa

I must make an hasty answer to your letter of Sth. Aug 2d the only one I have received in a long time About the Pike's Peak letter to Torrey I have sent in an other time ago. I should like very much to have it published under your revision please write to Torrey to send it on. and if you think it worth publishing, add such notes, and make such alterations & corrections as you think best. I have included a rather lengthy notice of P. flexilis. as any it ranges in altitude &c. In my last letter sent just after my return from Grays Peak I had no time to give more than the Barometrical. I have since written to Dr Gray giving him a brief account of the trip & enclosing some scraps of plants about which you will hear thro't him. This is the highest peak I have been on. yet. and probably as high as any in the range. About the "snow line" I have been much puzzled where to fix it as the persistent patches of snow in the ravines appear as drifts. scattered here & there at lower or higher elevations. I have pretty much concluded that the true snow line is to be found at the heads of valleys. where the 1st patches of snow are met with along the edges of brooks or sometimes overarching them Plants will be the best guide such as. Primula mollis Ranunculus adoneus &c What do you say about it? Does

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the same line in Europe mark out a regular line?
I shall get the range in altitude of all the Pine trees
The lowest station of P. flexilis is in the valley of
the Creek at this location. but perhaps this is only a
stopping place, as I presume of find higher up
towards, on the borders of the creek — At its highest
location. it keeps well up with P. contorta but
rarely descends about 1000 ft below. The highest
limit of trees I think that would give a fair
approx of its range. You will see a more
definite account in Torrey's letter. I have rather
suspended Botanizing this trip, but shall commence again. making observations
at Timothy miles near my camp. shall take
many observations in the 1st settled Lemon day
Next week I expect to go with a party on my
long expected trip to Middle Park. I am very anxious
to note the changes of vegetation as on the route
we will probably be from 10 to 12 days, our furthest
station will be a noted locality of Hot Springs.
I shall write again on my return & give you
some of the results in the mean time I hope
to get your back letters and so get posted
on. Past matters. Have heard nothing about Hall
and Carrington. Hope he will blunder on some
nice things? What is the enclosed fern from
perhaps I affinis. I Parryi not out yet! I Fragilis in
fine flower yet.

Yours truly C C Parry

Rec'd Sept 30th
Ans Octob 8

Cambridge Sept 19th 1860

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My Dear Sir

Enclosing the indorsed document for Dr Hy. my impression
if Hy should fail to understand I send Mr. [illegible] plants
pressed, but not dried, for him to put into Light for
a few days. Pfeiffera opening and I shall be glad to work on the
species with the aid of new and rich material for Dr Gray in the Spe-
cies Plantarum. I feel sure he has in the Herbarium
plants & many rich in the collection

Yours truly

[illegible]

[illegible]

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Rec'd Sept 25 13
Aug 27

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Botanick Sept 16

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Rec 2 Octob 13th
Ans same Day

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Denver City Oct 32 1862

My Dear Dr

You will perhaps be surprised to hear from me at this place on my way to the States. am just ready to start with team for Davenport via Omaha.

Just before leaving Fort Union City I received from Green by mail the Watches Thermometer & Barometer unfortunately broken in transit

I have also taken the Cost of same, Set them I have however Told the Surveyor Genl F M Case, he advanced me $40, on and will pay $25, more when he received the Watches Them. I am mailed Detailed. Th. This I have ordered from Green to be sent by Express. to send this Bill as before to you. I am very glad to have disposed of the instrument on such good terms & in good hands. Its done as the instrument is in my Charge

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a set of regular Observations at the Surveyor
Gen Office. Gen Case is a very pleasant
Yankee man. I told him you would be
to shine in regard to observations & perhaps
you can send him blanks to fill up
I left with him the pamphlet of instructions
and Jerome Letter about reparing &c
When you write to him it would be well
to be full & explicit in your directions,
they will send you a monthly report or
oftener if you desire it write to them
about making hourly observations I presume
they could arrange to make them several
times & perhaps through the 24 hours the
location of the Surveyor Gen Office is
higher than where I took my observations
probably not more than 15 & 20 ft
I have my traps all packed here have
got a good supply of fine specimens with
material & growing cones attached. I just
looked at some I put one side (wake) specimens
of P. Edulis. They show the male flowers also

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the pen & pencils, as the pen is very
very satisfactory. I hope you can wait — till
you get my specimens before finishing
your report on them. I have several
more & back of the principal ones, &c &c.
about Yucca. I have only a couple
dwarfed specimens. Hall I think has several
so that I hope you will get one in the
set coming to you. The flower is globose
when fully open. The leaves quite narrow
linear, and about four tenths of an inch
In your collection of Pikes Peak Cactus please
insert in the list as peculiar. Andrewsii
Ohamacyparis. I think I sent you a
specimen. Please answer this letter
to Omaha where I expect to be in a
few days & would it be worth
while to send you a small parcel of
specimens from Omaha? to save time? if
so let me know. I hope you will get
some the set from Halls collection &
write me about them

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The weather here is very fine we get
out in the valley — Some in the range
Last Monday Sept 29th I collected, Carex
Pinus flexilis and Abies grandis & D Engelmanii
Pinus Parryi &c — I just managed to
intercept Capes Last Pk Parryi. on
my way down also your letter Sept 18th
Sheldons calculations on taking the sea
Level Bar 30 — Ther 32° — he uses D Planks
Barlows tables. of course, does satisfactory
them agree he took a triangulation from

Col C I Thurber a note of A Gruenbergs
it agrees better with your computations
than his — Your first three are correct
Date of measurement (wells) about the Peak
can be compared with my obs. I will write
to him about it. he said in a former
one they were rounded off to nearest
I am about to start for the Parry. Yet
Dear Sir — yours &c Oliver
from Aug 6 C Parry
I shall not need to draw on you, have enough to
carry me on —

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Rec'd Nov 1st
Ans Nov 6th

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After several Rebuffs
in the Missouris & Miss Rivers I reached here
safe & sound last Monday (27th) &
have been rather busy in out door and
[illegible] work I packed up rather hastily an envelope of
Plants for you, including Pines &c &
they [illegible] by Express. I shall take
care in sorting & arranging the ballance of the
Collection. and pay care to write in the
book you want in the way of seeds. &
they must reach you get in the
[illegible] somewhat at a loss how to pack them
for transportation if detached they will need
earth about them to keep moist &
you remarked "the [illegible] agitation with
it in what proportion to the seeds" should
be in bags, in small boxes? &c &
I did not get [illegible] long letter of questions

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suppose it would have been well to have taken
a number like this before we [illegible] the
[illegible] of Spruces specimens of P. [illegible]
[illegible] in different States with no doubt
much gum. Abies [illegible] in the Collection
in such poor condition. Now on the "working plan"
plan, I send a small Chip of the bark
a larger Block showing the annual
and part a Section. The bark is [illegible]
and uniform. quite different from [illegible]
to a recollection. The wood is also softer,
and not elastic like the Eastern Spruce. Hope
you will be able to find good part of
one to make a good Section of the bark for
plan a drawing before the leaves fall to get the
specimen such? The specimens of P. [illegible]
include male & female flowers & you [illegible]
can no doubt acquainted with the male cones
dust. I have also come [illegible]
it does not extend much North of Pelham Bay

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Rec'd Nov 30 '62
Ans Dec 10

Thursday Dec
Dear Mrs Dana
(Nov 27 '62

[illegible]

I may have mentioned I sent
P. balsamea cones to Kew
& hands on it just now
I sent a few cones to
— & by post. I know
there is near Lupine on
it is from a branch that
I cut down for seed both forms
it too far gone, and had to go
to the alpine ascent to get my
supply. The branch which I must
send you before you make out
your figure is interesting when
the detached cone. very slightly
pedunculate & scales "in ex."
rounded Right about the
rounded form of the next year
section P. Fraseri cone is more
decidedly a, shapely shrub with
almost verticillate branches
on exposed places. as a small
tree it is quite
[illegible]

I have no chance to get
P. balsamea
I enclose a quite typical
cone & some of yours.
I shall send you the seeds
you wish & shall also
send more specimens. and
a piece of Pikes Peak, as
soon as I can get out and
up [illegible] of Mr Engelmann's
Contorta
mentioned. but
unfortunately is [illegible] transportation +
[illegible]. I have
I think a shrub of
P. Contorta
from [illegible] of
[illegible] chiefly
[illegible]. I did not find any
[illegible] Bigelow, or Coville
[illegible] slightly [illegible]
[illegible] of P. P.
[illegible] but
[illegible]

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Mr Lee
Ans Dec 10

Davenport. Nov 29th 1862

My Dear Dr

I packed and sent
you yesterday a box of seeds
& wood Specimens &c — as per
receipt. — A nearly full assortment
of seeds from which you must
take what you want & dispose
of the rest to Shaw. I hardly
know what to say about prices
but leave it Discretionary with
you. Say from $1 to $1,50. with
regard to be rendered on
the barometer acts. Have
Shaw give particular attention to
A. Eng. the seeds of which are
good & the few desirable. It
ought to grow well in Switzerland
Seeds of P. Elatior sent, rather
inferior. Must send you from
some mountain ones for "working"

I like to think you have the set from Hale. The Spruce he would like to get from you would be, "your specimens are as good as better than Parry's" I criticised him pretty sharply in the field, which he took in high dudgeon, believing that his way of doing up was perfect. You will perhaps, like me prune specimens with the heads scraped out of the cones so as to make them lie flat & look pretty. Any suggestions I ventured to make would be sure to drive him to the Spruce. I told him your plan of drying papers, by suspending but it would not do at all so he persisted in spreading them out, as he did in Ill. and over came by chasing after them and grumbling about the wind & weather generally.

I learn from his partner Harbour, that the Cattle has sold out to Hale. So the latter will have full swing. I wish he would buy me out too.

Still I think you will find the collection valuable. It exhibits a good deal of industry, & is rich in grasses Carices and flowers, Specimens of Astragali &c. a number of nice things and I hope some novelties

About Stanleya which we found at foot of Pikes Peak is there really more than one species. The leaves are very variable, sometimes entire, sometimes deeply pinnatifid. Is it yet in cultivation? We were too early for seed

I am balancing in my own
mind about making a trip
to the west or East next
season. If nothing favorable
offers for the former I
should like to take the other
tack, that I would like
to spend a summer in
the Canadas, and then
down among the tobaccos
& herbs of Europe!!
How could I make it pay!
Perhaps I mean ——
I must send you some
measurements & forms &
and peculiar names &c
Once back I started about some
specimens of balsam leaves
mostly blunt but occasionally
slightly emarginate
"Hasta luego" as the Mexicans
say!
Yours
J. C. Parry

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Rec'd Dec 9th
Ans Dec 10

Davenport Dec 4th 1862

My Dear Dr

I have been waiting
for an excuse to write again
but it does not come.
Have you got the set of
plants from Hale? I do
not yet hear a word from
him. I am wanting to get
a set of plants to send
to supplement to pay
as per agreement - shall
not want much longer -
If you have the set from
him please write me and
let me know. how many
species it contains, which nos
nos, from last year, what
deficient &c. I hope he has
sent you a specimen of
Yucca - I have but one.

Reading over last evening with some care. James's account of ascent of Pikes Peak. I notice. that he took almost the exact route that we followed. starting from "Soda Springs"; necessarily following up the same branch valley camping the 1st night at the base of the main peak & then making the ascent the next day at 4 P.M. spent 1/2 hour on the summit. and then stumbled down after dark to their camp which had taken fire. he notices the peculiarity of the alpine timber growth describing very well the prostrate bushy growth of P. aristata which he confounded with the tree he describes known since as P. flexilis Not to be wondered at

where he also takes A. Douglasii for A. Canadensis. he also enumerates in the Timber growth A. nigra A. alba & A. rubra!!! A. balsamea Says nothing about P. ponderosa or P. edulis. Long in his appendix. says the height of the peak by triangulation from Camp. (a few miles below Colorado City) is about 8502 ft. which added to your computation of C.C. 6342 ft makes 14842 ft. not so very far out of the way. in the body of the book he calls the height of the peak above the sea 14,110 ft so that his miscalculation is principally the altitude of the base of the Mts. You will notice in my account of ascent of Pikes Peak some discrepancies particularly in reference to the

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account of Dr Parry. which
ought to be corrected. perhaps
better if it has not gone to
Jan to withhold altogether from
publication, at least I should
like to make some corrections
& statements particularly in
the 1st part

I send off a sketch
of P. flexilis. a fair sample
of the usual appearance of the
trees please show Fendler &
ask him how it agrees with
his recollections. Have you
shaved off the piece of wood
I sent you I have a specimen
sawed off. shows very slow
growth nearly 200 rings, in the
piece sent you I hope to
have some from you soon

Yours truly C. C. Parry

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Rec- Dec 18th
Ans Jan 14

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Davenport Dec 15th 1862

My Dear Dr

After a long Silence
I have your letter of 10th contents
noted I am sorry Genl Case is
so poor as to want to give up
the instrument. he wrote me to
the same effect. I hope your
letter will make him feel
richer. It would cramp me
a good deal at present to return
him the $40.= and pay you
also. I think they might manage
amongst them to keep it. it is not in
now in working order and would
pay for itself in a few months
Wrote to him to speak to
Jon Evans about it & try &
manage to keep it in the Town.
If I come again I would much
rather bring a new one to Town

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cm

than take the 2 or 3 cents away &
Hall has written lately that he
will send me my set of plants
according to that agreement I
asked him pretty sharply for not
supplying me as soon as Mann.
He seems to get a good deal
of consolation from your "more
favorable opinion" of his plants
from your statement I see
very little difference between
your opinion & Jay's. but the
sharp point is evidently there
in Jay's criticisms, 1/16 noticed
& 1/8 th. There is the tender spot
which you did not of course
feel authorized to touch, My own
opinion as often expressed to Hall
is simply that the collection is
not as good as he was capable
of making, and as he might
have made if he had taken
my advice more & expended
his industry in more enterprising
movements & less zeal for
common things. You will
understand that while I make
no claim to any credit in
his collection, in which he did
all the mechanical work of
pressing, &c. I am ready as
a just partner equal with
industry & Harbour in the collection
made up to July 1st. Up to that
time we tried to work together
I did the drudgery of cooking
for the mess. and gave them
the free use of my presses
books & knowledge of plants
indicating such as were new to
the collection of last season &
such as I deemed of special
interest also collecting all new
plants that came in my way
that they would not be likely to
get. Several times I prepared

a division of labor. That I would take certain families, and make full collections, or explore different districts: but they constantly mocked me in keeping me with them and so tied up my hands, assuming to do all the work, & then complaining that I did not do my share. Tell me you know I was forced to call the knife by separation and Geddes / up my claims on them. I pray you for this simply as an explanation why my name is not connected with them in the two collections — in July the / I collected my share / the plants which are now in Hall's hands. but not duplicated as he had the same things and would naturally keep mine in the back ground. I write you this explanation & if of no great consequence any way

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2?
Rec'd Oct 18

I have sent it to my collection on hand to pay. besides the new fentleria, there is a new Senecio S. fra[illegible] and a Zygopis n s/s the one with the leafy spike from Mesa in Col- and also found in Middle Park, also putbat a new Astragalus which Watson also got the one with small flowers & growing pods. growing with A. Parryi.

I suspect that the new pod Zygy will have to go lower down in the ranks than Nuttall. The collection states. that there were three whorls of floral envelopes in threes. which would probably mean A rule the endogens looking over Lindley's Veg. kingdom I see somethg approximating to an plant under Butomaceæ (see pg 208 |

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have you any specimens of that family in your herb.? the plants are noted as belonging to marshes in Europe & Asia But I shall not be surprised at the grasses the thing itself must come to light, if I have to go after it — You are looking out for a name. I suppose Mr Shaw would hardly feel complimented to call it P Shawia (such name I judge is yet unappropriated. I have however partly anticipated you & offering the name to the discoverer. as pay for good work! specimens. Merrilliia. want that do! I will rewrite the Pikes Peak sketch forthwith & send back in a few days. — I think Long's base line must have been located near to or on the south side of Colorado City. as there is no suitable ground. for a horse camp between there & the Springs on the Ft Jas Road. so that you may assume that as the starting point of the triangulation I believe you make about 200 ft descent from the Springs Did I tell you that Shelton of Col City had also made a measurement by triangulation from Colorado City. I think I must write & get his figures. I remember he makes the hypothenuse of his triangle about 9 miles, and the height something over 1000 ft I have an idea that there will be a very close correspondence. Did I write you about the difference of levels between Station 50. & Parkhurst Pass & actual measurement 2634 ft

Log barometer 2056 ft

Diff 578 ft!!

very satisfactory! distance 6 miles

Late letter from Troy says
he is going to send you all
his Pinus material. to study. so
you must persevere. I see in
antecons you wants to see A. Wilbrandi
& P. Cembroides I feel a little
suspicion of the former. but there
I have no doubt has a wide range
at high elevations.
My herb. specimens of P. flexilis were
from the lowest Elevation when as I
have before remarked the cones are
smaller & the seeds not well developed
The terminal bud. shoots beyond the cones
the 2d season. and sometimes the 4th
in the latter case the cones. are two
Two but fair & full B. you will see
Scars on some of the young shoots each
when previous years cones were. and
als. I think some when a developed
bud has blighted the early (some years) cone.
The largest cones I have seen were
across the range in Middle Park
Much smaller more even than C C Parry

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Rec'd Dec 28th
Ans Feb 12
Jan 14

Davenport Dec 25th 1862

My Dear Sir

You are so mum
of late how shall I manage to
get a letter out of you better
than by asking questions?
I have got at last the set of
Hales plants. and want you to
just me an enumeration of them
1st The questions What is
477? 471? 478? neither of
which I have met with.
Also Asclepias - 480? which
I collected also.
What are the Euphorbias?
What is 461, 462, 422,?
What novelties. besides those
nice Penstemons - What of
special interest &c &c

I suppose Dr Gray is working away at some of them. The Ashgali will come in nicely for his synopsis —

About Short. I want him to get all my new things this season I wish he might get a selection from Halls likewise. to make out — his set complete. suppose you suggest it — to Hall —

Hall — much more meek since Dr Gray taking down. It will do him good —

Do you hear yet from Jack Case about the barometer. I hope he will conclude to keep it — I thought of proposing in case he still pleads poverty to suggest that he raise the amount by subscription. among the public spirited men of Denver., to help the matter — we might subscribe $5.= a piece. and then he can certainly get 10 others besides himself to make up the $65.= I would like to get the matter settled up someway soon.

Another matter (aside) I want you to send me your photograph I have Torrey & Gray and a place for yours. my wife is interested and says "take them or to just her autograph on the back" — mine will go back in exchange if you wish it

Are you doing anything toward a report on the hypsometric determinations? and how to be published? How comes on printing Transactions?

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Remarkable warm weather for
the season. Hard freezing and
the only changes from wet to dry
Bad luck in army matters
plenty of blood shed & maiming
but no progress towards reconstruction
My thoughts are inclining
to Nevada for next season's
operations. How to make it
out as a question of time,
Are you growing P. flexilis
and A Engelmanni let me
see proofs or early as you can
Please answer my question
and oblige

Yours truly

C. C. Parry